

Subst. Exam PTO-1449

Atty. Docket No.: 22727/04130

Serial No.: 10/617,979

**APPLICANT'S INFORMATION
DISCLOSURE STATEMENT**

Applicant: Henkin, et al.

Filing Date: July 11, 2003

Group:

U.S. PATENT DOCUMENTS

Initial*		Document No.	Date	Name	Class	Subcl.	Filing Date
	AA						
	AB						
	AC						
	AD						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subcl.	Translation?
	AE						
	AF						
	AG						
	AH						
	AI						

OTHER PRIOR ART

SW	AJ	Grundy, et al., "The T box and S box transcription termination systems", The Ohio State University, 1 page.
	AK	Grundy, et al., "tRNA-mediated transcription antitermination <i>in vitro</i> : Codon-anticodon pairing independent of the ribosome", PNAS, August 20, 2002, vol. 99, no. 17, pp. 11121-11126.
SW	AL	Gerdeman, et al., "Solution Structure of the <i>Bacillus subtilis</i> T-box Antiterminator RNA: Seven Nucleotide Bulge Characterized by Stacking and Flexibility", J. Mol. Biol. (2003) 326, pp. 189-201.
	AM	Gerdeman, et al., "In Vitro structure-function studies of the <i>Bacillus subtilis</i> <i>tyrS</i> mRNA antiterminator: evidence for factor-independent tRNA acceptor stem binding specificity", Nucleic Acids Research, 2002, Vol. 30, No. 4, 1065-1072.
SW	AN	Yanofsky, "Transcription Attenuation: Once Viewed as a Novel Regulatory Strategy", Journal of Bacteriology, Jan. 2000, pp 1-8.
SW	AO	Göllnick et al., "Transcription attenuation", Biochimica et Biophysica Acta 1577 (2002) pp. 240-250.
SW	AP	Henkin, "Transcription termination control in bacteria", Current Opinion in Microbiology 2000, 3: pp. 149-153.
SW	AQ	Barbieri et al., "MicroCorrespondence", 1998 Blackwell Science Ltd., Molecular Microbiology, 29, pp. 661-664.
SW	AR	van de Guchte, et al., "Identity elements in tRNA-mediated transcription antitermination: implication of tRNA D- and T-arms in mRNA recognition", Microbiology (2001), 147, pp. 1223-1233.

Examiner:

Date Considered:

*EXAMINER: Initial if reference considered, whether or not citation is in conformation with MPEP 609; draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.

/Samuel Woolwine/ (10/06/2006)



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SW	ANS	Kunst, et al., "The complete genome sequence of the Gram-positive bacterium <i>Bacillus subtilis</i> ", Nature, Vol. 390, 20 November 1997, pp. 249-256.
SW	AKJ	Grundy, et al., "Sequence requirements for terminators and antiterminators in the T box transcription antitermination system: disparity between conservation and functional requirements", Nucleic Acids Research 2002, Vol. 30, No. 7, pp. 1646-1655.
SW	ALU	Henkin, "Control of Transcription Termination in Prokaryotes," Annu. Rev. Genet. 1996, 30: pp. 35-57.
SW	AMV	Henkin, et al., "Regulation by transcription attenuation in bacteria: how RNA provides instructions for transcription termination/antitermination decisions", BioEssays 24: pp. 700-707.
SW	ANW	Grundy et al., "The <i>Staphylococcus aureus</i> <i>ileS</i> Gene, Encoding Isoleucyl-tRNA Synthetase, Is a Member of the T-Box Family", Journal of Bacteriology, June 1997, pp. 3767-3772.
	AOX	Putzer, et al., "Transfer RNA-mediated antitermination <i>in vitro</i> ", Nucleic Acids Research, 2002, Vol. 30, No. 14 pp. 3026-3033.
SW	APV	Wagar, et al., "The Glycyl-tRNA Synthetase of <i>Chlamydia trachomatis</i> ", Journal of Bacteriology, Sept. 1995, pp 5179-5185.
	AQ	
	AR	

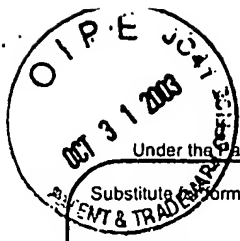
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PTO/SB/08A (08-03)



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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/617,979
Filing Date	July 11, 2003
First Named Inventor	Henkin
Art Unit	3736
Examiner Name	
Attorney Docket Number	22727/04130

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AA	Yousef, et al., "tRNA requirements for glvQS antitermination: A new twist on tRNA", RNA (2003), 9:1148-1156.	

Examiner Signature	/Samuel Woolwine/ (10/06/2006)	Date Considered	
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Application Number	10/617,979
Filing Date	July 11, 2003
First Named Inventor	Henkin
Art Unit	1632
Examiner Name	Unknown
Attorney Docket Number	22727/04130

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	AA	SARSERO, ET AL., "A Bacillus subtilis operon containing genes of unknown function senses tRNA charging and regulates expression of the genes of tryptophan biosynthesis", PNAS,	
	AA	March 14, 2000, vol. 97, no. 6, pp. 2656-2661.	
	AB	DELORME, ET AL., "Regulation of Expression of the Lactococcus lactis Histidine Operon", Journal of Bacteriology, April 1999, p. 2026-2037.	

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Signature

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Sheet 1

of 2

Application Number	10/617,979
Filing Date	July 11, 2003
First Named Inventor	Tina Henkin
Art Unit	1637
Examiner Name	Young J. Kim
Attorney Docket Number	22727.04130

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Application Number	10/617,979
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First Named Inventor	Tina Henkin
Art Unit	1637
Examiner Name	Young J. Kim
Attorney Docket Number	22727.04130

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NON PATENT LITERATURE DOCUMENTS

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SW	1	International search report for PCT application number PCT/US03/21875.	
SW	2	GERDEMAN, et al, In vitro structure-function studies of teh Bacillus subtilis tyrS mRNA antiterminator: evidence, Nucleic Acids Research, Vol 30, No 4, pp 1065-1072, Feb 2002	
SW	3	YOUSEF, et al., tRNA requirement for glyQA antitermination: A new twist on tRNA, RNA, Vol. 9, pp. 1148-1156, May 2003.	
SW	4	GRUNDY, et al., tRNA-mediated transcription antitermination in vitro: Codon-anticodon pairing independent of the ribosome, PNAS, Vol 99, No 17, pp 11121-11126, August 2002.	
SW	5	PUTZER, et al., Transfer RNA-mediated antitermination in vitro, Nucleic Acids Research, Vol. 30, No. 14, pp. 3026-3033, 2002.	
SW	6	SASERO, et al., A Bacillus subtilis operon cntaining genes of unknown function senses tRNA trp charing and regulates expression, PNAS, Vol 97, No 6, pp 2656-2661, March 2000.	
SW	7	DELORME, et al., Regulation of Expression of the Lactococcus lactis Histidine Operon, Journal of Bacteriology, Vol. 181, No. 7, pp 2026-2037, April 1999.	

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